CORRECTION



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Correction to: Torsional wave and vibration subjected to constraint of surface elasticity

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The author regrets that the term $2(\partial_A H)[\partial \gamma / \partial(\partial_A \phi_k)]$ in the integrand of the last row of Eq. (50) was omitted in the variational calculus of the paper cited above. After this term is added, Eqs. (54), (55), (57) and (58) in the paper cited above are corrected into

$$\frac{\partial\Gamma}{\partial\phi_k} - \frac{\mathrm{d}}{\mathrm{d}t}\frac{\partial\Gamma}{\partial\dot{\phi}_k} - \partial_A \left[\frac{\partial\Gamma}{\partial(\partial_A\phi_k)}\right] - 2H\left\{\frac{\partial\gamma}{\partial\phi_k} - \frac{\mathrm{d}}{\mathrm{d}t}\frac{\partial\gamma}{\partial\dot{\phi}_k} - \partial_A \left[\frac{\partial\gamma}{\partial(\partial_A\phi_k)}\right]\right\} + 2\frac{\partial\gamma}{\partial(\partial_A\phi_k)}\partial_A H = \lambda^k + \mu^k.$$
(R54)

$$\left(\frac{\partial L}{\partial(\partial_j\phi_k)}\right)n_j = \frac{\mathrm{d}}{\mathrm{d}t}\frac{\partial\Gamma}{\partial\dot{\phi}_k} + \partial_A\left[\frac{\partial\Gamma}{\partial(\partial_A\phi_k)}\right] - \frac{\partial\Gamma}{\partial\phi_k} - 2H\left\{\frac{\mathrm{d}}{\mathrm{d}t}\frac{\partial\gamma}{\partial\dot{\phi}_k} + \partial_A\left[\frac{\partial\gamma}{\partial(\partial_A\phi_k)}\right] - \frac{\partial\gamma}{\partial\phi_k}\right\} - 2\frac{\partial\gamma}{\partial(\partial_A\phi_k)}\partial_AH.$$
(R55)

$$\frac{\partial L^{+}}{\partial(\partial_{j}\phi_{k})}n_{j} = \frac{\mathrm{d}}{\mathrm{d}t}\frac{\partial\Gamma}{\partial\dot{\phi}_{k}} + \partial_{A}\left[\frac{\partial\Gamma}{\partial(\partial_{A}\phi_{k})}\right] - \frac{\partial\Gamma}{\partial\phi_{k}} - 2H\left\{\frac{\mathrm{d}}{\mathrm{d}t}\frac{\partial\gamma}{\partial\dot{\phi}_{k}} + \partial_{A}\left[\frac{\partial\gamma}{\partial(\partial_{A}\phi_{k})}\right] - \frac{\partial\gamma}{\partial\phi_{k}}\right\} - 2\frac{\partial\gamma}{\partial(\partial_{A}\phi_{k})}\partial_{A}H.$$
(R57)

$$\frac{\partial L^+}{\partial (\partial_j \phi_k)} n_j = (1 - \delta H) \left(\frac{\mathrm{d}}{\mathrm{d}t} \frac{\partial \Gamma}{\partial \dot{\phi}_k} + \partial_A \left[\frac{\partial \Gamma}{\partial (\partial_A \phi_k)} \right] - \frac{\partial \Gamma}{\partial \phi_k} \right) - \frac{\partial \Gamma}{\partial (\partial_A \phi_k)} \partial_A (\delta H). \tag{R58}$$

In addition, the sign "=" before the second row of Eq. (50) is modified into the sign "+". Finally, it is necessary to point out that the conclusions presented in the paper are not affected by this missing term.

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